

LEWIS RIVER BASIN

1

14218500 YALE RESERVOIR NEAR YALE, WA

LOCATION.-- Lat 45°57'50", long 122°19'53", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.6 N., R.4 E., Clark County, Hydrologic Unit 17080002, at left bank on Yale Dam on Lewis River just upstream from intake, 500 ft upstream from powerhouse, 1.0 mi upstream from Canyon Creek, 3.2 mi southeast of Yale, and at mile 34.2.

DRAINAGE AREA.--596 mi².

PERIOD OF RECORD.--August 1952 to current year.

GAGE.--Water-stage recorder and long distance indicator in powerhouse. Datum of gage is sea level (levels by PacifiCorp). Prior to Feb. 1, 1954, nonrecording indicator gage at same site and datum.

REMARKS.--Hourly elevations for the year were furnished by PacifiCorp. Reservoir is formed by rock and earthfill dam; storage began July 31, 1952; dam completed in 1952. Usable capacity, 189,500 acre-ft between elevations 430 ft, lower limit for economic operation, and 490 ft, top of spillway gates. Dead storage below elevation 417 ft, 178,000 acre-ft. Figures given herein represent total contents. Water is used by PacifiCorp for power generation. Capacity table furnished by PacifiCorp.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 402,500 acre-ft, May 13, 1961, elevation 490.15 ft; minimum contents observed since reservoir was first filled, 227,600 acre-ft, Feb. 22, 1957, elevation 435.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 401,700 acre-ft, June 5, 10, elevation 489.98 ft; minimum contents 305,000 acre-ft, Feb. 1, elevation 461.97 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	485.21	383,900	--
Oct. 31.....	469.77	330,000	-53,900
Nov. 30.....	480.70	367,600	+37,600
Dec. 31.....	472.89	340,400	-27,200
CAL YR 1999.....	--	--	-43,700
Jan. 31.....	462.53	306,800	-33,600
Feb. 29.....	465.58	316,400	+9,600
Mar. 31.....	475.01	347,600	+31,200
Apr. 30.....	487.49	392,400	+44,800
May 31.....	487.65	393,000	+600
June 30.....	488.98	397,900	+4,900
July 31.....	487.93	394,000	-3,900
Aug. 31.....	486.31	388,000	-6,000
Sept. 30.....	478.36	359,300	-28,700
WTR YR 2000.....	--	--	-24,600